

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

Application Number	10/566,954
Filing Date	January 31, 2006
First Named Inventor	Claes Gustafsson
Art Unit	1631
Examiner Name	Borin, Michael L
Attorney Docket No.	11548-003-999

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document Number – Kind Code	Publication Date mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A01	US 2002/0048772 A1	04/25/2002	Dahiyat et al.	
	A02	US 2004/0072245 A1	04/15/04	Gustafsson <i>et al.</i>	
	A03	US 2004/0161796 A1	08/19/04	Gustafsson <i>et al.</i>	
	A04	US 2006/0205003 A1	09/14/06	Gustafsson <i>et al.</i>	
	A05	7,117,096	10/03/2006	Luo <i>et al.</i>	
	A06	US 2007/0239364 A1	10/11/07	Richard John Fox	
	A07	US 2008/0050357	02/28/08	Gustafsson <i>et al.</i>	
	A08	U.S. Application No. 12/238,216	09/25/08	Gustafsson <i>et al.</i>	
	A09				
	A10				
	A11				

FOREIGN PATENT DOCUMENTS

*Examiner Initials	Cite No.	Foreign Patent Document Country Code, Number, Kind Code (if known)	Publication Date mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	B01	WO 2005/012877 A2	02-10-2005	DNA Twopointo Inc.		
	B02					

NON PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	C01	Adenot et al., 1999, "Peptides quantitative structure-function relationships: An automated mutation strategy to design peptides and pseudopeptides from substitution matrices," Journal of Molecular Graphics and Modeling 17, 292-309.	
	C02	Agrafiotis et al., 2002, "On the use of neural network ensembles in QSAR and QSPR," J Chem Inf Comput Sci, vol. 42, pages 903-911.	
	C03	Damborský, Jiří, 1998, "Quantitative structure-function and structure-stability relationships of purposely modified proteins," Protein Engineering 11, 21-30.	
	C04	Del Sol Mesa et al., 2003, "Automatic Methods for Predicting Functionally Important Residues," J. Mol. Biol. 326, 1289-1302.	
	C05	Fariselli et al., 2002, "Prediction of protein-protein interaction sites in heterocomplexes with neural networks," Eur. J. Biochem 269, 1356-1361.	
	C06	Fox et al., 2003, "Optimizing the search algorithm for protein engineering by directed evolution," Protein Engineering Vol. 16: 589-597	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	C07	Free et al., 1964, "A mathematical contribution to structure-activity studies," Journal of Medicinal Chemistry, American Chemical Society, vol. 7, no. 4, pages 395-399.	
	C08	Govindarajan et al., 2003, "Systematic Variation of Amino Acid Substitutions for Stringent Assessment of Pairwise Covariation," J. Mol. Biol. 328, 1061-1069.	
	C09	Hellberg et al., 1986, "Peptide Quantitative Structure-Activity Relationships, a Multivariate Approach," J. Med. Chem 30, 1126-1135.	
	C10	Irimi et al., 2002, "Additive method for the Prediction of Protein-Peptide Binding Affinity. Application to the MHC Class I Molecule HLA-A*0201," Journal of Proteome Research, vol. 1, no. 3, pages 263-272.	
	C11	Jonsson et. al., 1993, "Quantitative sequence-activity models (QSAM)-tools for sequence design," Nucleic Acids Research 21, 733-739.	
	C12	Lu et al., 2001, "Predicting the reactivity of proteins from their sequence alone. Kazal family of protein inhibitors of serine proteinases," PNAS 98, 1410-1415.	
	C13	Ness et al., 2001, "Molecular Breeding: The Natural Approach to Protein Design," Advances in Protein Chemistry 55, 261-292.	
	C14	Norinder et al., 1997, "A Quantitative Structure-Activity Relationship Study of Some Substance P-related Peptides. A Multivariate Approach using PLS and Variable Selection," Journal of Peptide Research vol. 49, no. 2, pages 155-162.	
	C15	Pierce et al., 2002, "Protein Design is NP-hard," Protein Engineering 15, 779-782.	
	C16	Sandberg et al., 1993, "Engineering multiple properties of a protein by combinatorial mutagenesis," Proc. Natl. Acad. Sci. 90, 8367-8371.	
	C17	Shaw et al., 2002, "Predicting Amino Acid Residues Responsible for Enzyme Specificity Solely from Protein Sequences," Biotechnology and Bioengineering 79, 295-300.	
	C18	Svetnik et al., 2003, "Random Forest: A Classification and Regression Tool for Compound Classification and QSAR Modeling," J Chem Inf Comput Sci, vol. 43, no. 6, pages 1947-1958.	
	C19	Wrede et al. 1998, "Peptide Design Aided by Neural Networks; Biological Activity of Artificial Signal Peptidase I Cleavage Sites," Biochemistry 37, 3588-3593.	
	C20	Partial European Search Report dated October 13, 2008 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C21	Communication relating to Partial European Search Report dated March 4, 2009 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C22	Communication pursuant to Article 94(3) EPC dated August 18, 2009 for EP 08003668.4 (Atty. docket no. 11548-012-227).	
	C23	International Search Report and Written Opinion dated February 21, 2006 for International Application No. PCT/US04/024751 (Atty. docket no. 11548-003-228).	
	C24	Preliminary Amendment Under 37 C.F.R. § 1.115 dated September 24, 2008 for U.S. Application No. 12/238,216 (Atty. docket no. 11548-013-999).	
	C25		
	C26		

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